

Amendments to the Specification:

Please replace the paragraph starting on p. 10, line 12 with the following amended paragraph:

The transmitter also has a power control subsystem generally indicated by 36. In the illustrated example, the power control subsystem includes a power control function 37 having an output fed to an AGC (Automatic Gain Control) control block 38 which in turn is connected to a digital-to-analog converter ~~39~~ 49. The output of the digital-to-analog converter is used to control the gain of the AGC amplifier 30.

Please replace the paragraph starting on p. 11, line 28 with the following amended paragraph:

In some embodiments, for any programmable digital gain elements which do not need to be compensated as a function of transmit power, the controller ~~90~~ 40 uses a pre-calculated and static digital gain value for the current state of the channel encoders/generators.